ABSTRACT OF THE DISCLOSURE

[41] An attachment mechanism for attaching a component to a cylindrical instrument having a centerline. The attachment mechanism includes legs having respective first and second ends. The legs are pivotally connected relative to each other at the first ends such that the second ends of the legs can be pivoted away from each other and toward each other. The legs are configured to be connected to the component. Each leg has an engagement piece at its second end. The engagement piece is configured to engage around the cylindrical instrument. Each engagement piece is oriented toward its corresponding leg at a fixed angle. The orientation of each of the engagement pieces to its corresponding leg positions the engagement pieces to contact the instrument at contact points in order that the component is located at a known and constant distance from the centerline regardless of the diameter of the instrument.